

## **Abstract**

A method and an apparatus for power management of an electronic device are provided. The electronic device can be operated under at least a first operation state and a second operation state. The electronic device has a first power mode and a second power mode. The method includes the following steps. A sampling time span that includes a plurality of sampling time units is set up. The operation state of the electronic device at each the sampling time unit is determined. A first ratio of the sampling time units in which the electronic device is operated under the first operation state is calculated. The electronic device is operated according to the first ratio. The electronic device is switched to the first power mode when the first ratio is larger than a predetermined value. The electronic device is switched to the second power mode when the first ratio is smaller than the predetermined value.